

Environmental Studies, Minor

Visit the Philosophy and Humanities Department page (<https://www.uvu.edu/philhum/>) for more information on the program and access to advising.

Program Description

Environmental Studies explores the complex links between human culture and the natural world. The program challenges students to critically examine both the ecological and social context of environmental issues and the numerous connections between natural and social systems, from local to global scales. It is undeniable that humans have a profound impact on the environment. To have the greatest positive influence, we must seek knowledge of the structure and function of natural systems, as well as an understanding of how culture affects the way we perceive nature.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		18
Discipline Core Requirements		18
		Credits
ENST 2000	Introduction to Environmental Studies	3
Elective Requirements		
Electives		
Choose 6 credits from the following courses in the College of Humanities and Social Sciences or the Woodbury School of Business.		6
ANTH 3150	Culture Ecology and Health (3)	
ANTH 3830	Biology and Culture (3)	
COMM 3115	Communicating in Environments (3)	
COMM 3130	The Culture of Nature and Technology (3)	
ENGL 3460	Wilderness and Environmental Writing (3)	
HIST 3800	Environmental History of the United States (3)	
PHIL 3530	Environmental Ethics (3)	
PHIL 4300	Environmental Aesthetics (3)	
or HUM 4300	Environmental Aesthetics	
PHIL 3460	The Ethics of Human/Animal Relationships (3)	
or SOC 3800	Animals and Society	
ENST 3520	Environmental Sociology (3)	
or SOC 3520	Environmental Sociology	
ECON 3040	Environmental Economics (3)	
Any other advisor approved courses		
Choose 6 credits from the following courses in the College of Science. 3 of these credits must be at the 3000 or 4000 level.		6
Biology		
BIOL 1010	General Biology (3)	
BIOL 1610	College Biology I	
& BIOL 1615	and College Biology I Laboratory (5)	
BIOL 1620	College Biology II	
& BIOL 1625	and College Biology II Laboratory (4)	
BIOL 2500	Environmental Biology (3)	
BIOL 3700	General Ecology (3)	
BIOL 3800	Conservation Biology (3)	
ENVT 3280	Environmental Law (3)	
BIOL 4000	Freshwater Ecology (4)	
BIOL 4260	Ethical Issues in Biology (2)	
Botany		
BOT 2050	Field Botany (3)	
BOT 2100	Flora of Utah (3)	
BOT 3800	Ethnobotany (4)	

BOT 4050	Plant Ecology (3)
BOT 4300	Native Trees and Shrubs of Utah (3)
BOT 4500	Introduction to Grasses (3)
Chemistry	
CHEM 1120	Elementary Organic Bio-Chemistry (4)
CHEM 3020	Environmental Chemistry (3)
CHEM 4030	Radiochemistry (3)
Environmental Management	
ENVT 1110	Introduction to Environmental Science and Management (3)
ENVT 1510	Hazardous Materials Emergency Response (3)
ENVT 2560	Environmental Health (3)
ENVT 2730	Introduction to Soils (4)
ENVT 3210	Water Quality and Reclamation (4)
ENVT 3270	Environmental Microbiology (undefined)
ENVT 3280	Environmental Law (3)
ENVT 3330	Water Resources Management (3)
ENVT 3630	Introduction to Geographic Information Systems (4)
ENVT 3750	Land Use Planning (3)
ENVT 3770	Natural Resources Management (3)
ENVT 3800	Energy Use on Earth (3)
Geology	
GEO 1080	Introduction to Oceanography (3)
GEO 1220	Historical Geology (3)
GEO 3000	Environmental Geochemistry (3)
GEO 3200	Geologic Hazards (3)
GEO 3500 & GEO 3505	Geomorphology and Geomorphology Lab (4)
GEO 4510	Paleontology (4)
Geography	
GEOG 1000	Introduction to Physical Geography (3)
GEOG 3400	Environmental Remote Sensing (3)
GEOG 3600	Introduction to Geographic Information Systems (4)
GEOG 3650	Advanced Geographic Information Systems (4)
GEOG 3700	Wetland Studies (3)
GEOG 3800	Environmental History of the United States (3)
Meteorology	
METO 1010	Introduction to Meteorology (3)
METO 3100	Climate and the Earth System (3)
Physics	
PHYS 1800	Energy You and the Environment (3)
PHYS 3800	Energy Use on Earth (3)
Outdoor Recreation	
REC 2200	Foundations of Recreation (3)
REC 2700	Leave No Trace Trainer (1)
REC 3850G	Ethical Concerns in Recreation (3)
REC 4200R	Outdoor Leadership and Management Practicum (2)
REC 4400	Natural Resource and Protected Area Management (3)
Zoology	
ZOOL 3100 & ZOOL 3105	Vertebrate Zoology and Vertebrate Zoology Laboratory (4)
ZOOL 3200 & ZOOL 3205	Invertebrate Zoology and Invertebrate Zoology Laboratory (4)

ZOOL 3300 & ZOOL 3305	Herpetology and Herpetology Laboratory (4)
ZOOL 3430 & ZOOL 3435	Entomology and Entomology Laboratory (4)
ZOOL 3500 & ZOOL 3505	Mammalogy and Mammalogy Laboratory (4)
ZOOL 4000	Animal Behavior (3)
ZOOL 4600	Ornithology (4)

Choose an additional 3 credits from any of the courses listed above – OR – complete 3 hours of research credits, service project credits, or internship credits 3

Graduation Requirements

Take 15 credits in line with program schedule above

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year

Semester 1	Credit Hours
ENST 2000 Introduction to Environmental Studies	3
Core Elective - Choose one elective from College of Science	3
Credit Hours	6

Semester 2

Core Elective - Choose one elective from the College of Humanities and Social Sciences or the Woodbury School of Business	3
Core Elective - Choose one elective from the College of Science	3
Credit Hours	6

Second Year

Semester 3	Credit Hours
Core Elective - Choose one elective from the College of Humanities and Social Sciences or the Woodbury School of Business	3
Credit Hours	3

Semester 4

Core Elective - See list	3
Credit Hours	3
Total Credit Hours	18

Program Learning Outcomes

1. Analyze the scientific underpinnings, social context, political ramifications, and the unevenly distributed impacts of key environmental challenges to design sustainable solutions.
2. Evaluate the links between social and natural systems to identify appropriate areas of intervention.
3. Critically assess environmental and sustainability programs, organizations, and reporting mechanisms to create new and/or revised programs, organizations, and reports.
4. Influence policy outcomes using existing laws, regulations, stakeholders, and interest groups relating to environmental issues.
5. Communicate effectively, both orally and in writing, about environmental and sustainability issues to diverse audiences.

Environmental engineering technologists and technicians

- Total Positions 14,200
- Field Growth 2.3%
- Median Salary \$54,000
- Average Openings 1.2

Environmental science and protection technicians, including health

- Total Positions 33,900
- Field Growth 7.0%

- Median Salary\$50,660
- Average Openings4.1